

Application No. 09/932,520
Docket No. 1999U021D1.US
Revised Reply to Office Action Dated August 14, 2003

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently amended). A catalyst composition comprising a polymerization catalyst and at least two different solid compounds, wherein the solid compounds react above the polymerization operation temperature that a specified temperature react to form a catalyst inhibitor that deactivates the catalyst composition.

Claim 2. (Cancelled).

Claim 3. (Cancelled).

Claim 4. (Original). The catalyst composition of claim 1 wherein the polymerization catalyst is supported.

Claim 5. (Currently amended). The catalyst composition of claim 1 wherein at least one both of the two different compounds has have a weight loss of less than 20 weight percent measured using thermogravimetric analysis at 80° C for 20 minutes.

Claim 6. (Original). The catalyst composition of claim 1 at least one of the two different compounds has a dielectric constant greater than 2.

Claim 7. (Original). The catalyst composition of claim 1 wherein the at least two different compounds are at least one acid compound and at one base compound.

Claim 8. (Currently amended). The catalyst composition of claim 7 wherein the at least one acid compound has at least one -OH functionality functional group and the at least one base compound has at least one -O functionality =O functional group.

Application No. 09/932,520

Docket No. 1999U021D1.US

Revised Reply to Office Action Dated August 14, 2003

Claim 9. (Original). The catalyst composition of claim 1 wherein the at least two different compounds are at least one oxidant and at least one reductant.

Claim 10. (Original). The catalyst composition of claim 1 wherein the catalyst inhibitor comprises carbon dioxide.

Claim 11. (Original). The catalyst composition of claim 7 wherein the acid compound is L-malic acid

Claim 12. (Original). The catalyst composition of claim 11 wherein the base compound is a carbonate containing compound

Claim 13. (Original). The catalyst composition of claim 7 wherein the mole ratio of the at least one acid compound and the at least one base compound is in the range of from 20 to 0.05.

Claim 14. (Original). The catalyst composition of claim 7 wherein the acid compound is a Bronsted acid and the base compound is a Bronsted base.

Claim 15 – 34 (Previously Cancelled).

Claim 35. (Currently amended). A catalyst composition comprising a bulky ligand metallocene-type catalyst compound, and activator, a support, a solid acid compound and a solid base compound, wherein the acid compound and the base compound are unreactive at the polymerization operation temperature.

Claim 36. (Original). The catalyst composition of claim 35 wherein the acid compound is a Bronsted acid and the base compound is a Bronsted base.

Application No. 09/932,520
Docket No. 1999U021D1.US
Revised Reply to Office Action Dated August 14, 2003

Claim 37. (Currently amended). The catalyst composition of claim 35 wherein when the catalyst composition is heated to greater than 25° C, the acid compound and base compound react to form a catalyst inhibitor.

Claim 38. (Cancelled).

Claim 39. (Original). The catalyst composition of claim 35 wherein the mole ratio of the at least one acid compound and the at least one base compound is in the range of from 20 to 0.05

Claim 40-55 (Previously Cancelled).